



K25U 2309

Reg. No. :

Name :

**V Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, November 2025**

(2019 to 2023 Admissions)

CORE COURSE IN BIOTECHNOLOGY

5B07BTC : Animal Physiology

Time : 3 Hours

Max. Marks : 40



PART – A

Write short notes on **each** of the following in **2** or **3** sentences. **Each** question carries **1** mark. **(6×1=6)**

1. Sarcomere.
2. Glomerulus.
3. Chyme.
4. Alveoli.
5. Muscle fatigue.
6. Cochlea.



PART – B

Write notes on **any 6** of the following. **Each** question carries **2** marks. **(6×2=12)**

7. Role of ADH in water reabsorption.
8. Photoreceptors.
9. Resting membrane potential.
10. Hypothalamus.

P.T.O.



11. Pancreatic enzymes.
12. Structure of neuron.
13. Hormonal control of kidney function.
14. Thermoregulation in mammals.

PART – C

Write short essay on **any four** of the following. **Each** question carries **3** marks. **(4×3=12)**

15. Sliding filament theory.
16. Counter-current mechanism.
17. Feedback regulation of thyroid hormone.
18. Process of digestion in small intestine.
19. ECG.
20. Role of pancreas in homeostasis.

PART – D

Write essay on **any two** of the following. **Each** question carries **5** marks. **(2×5=10)**

21. Skeletal muscle types and contraction.
 22. Hormonal control of menstrual cycle.
 23. Circulatory pathway and blood flow regulation.
 24. Discuss structure and function of adrenal gland.
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